Data Intake Report

Name: Cloud-and-APIl-Deployment
Report date: 10/09/2023
Internship Batch: LISUM25 30-August - 30 November
Version:1.0
Data intake by:Sali El-loh
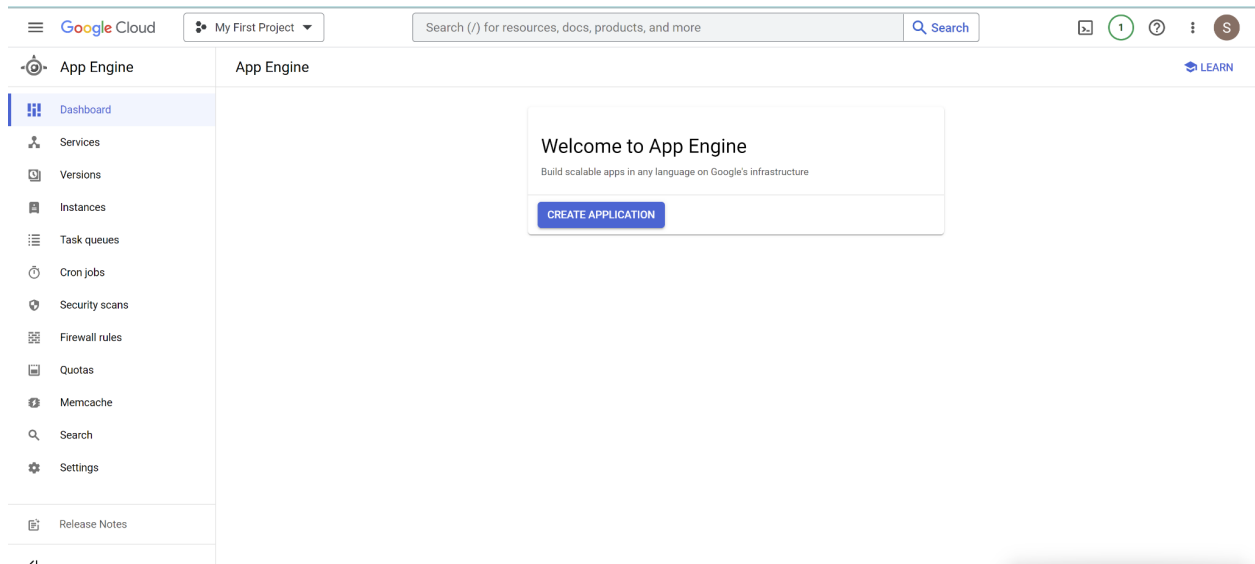Data intake reviewer: N/A
Data storage location: github
Submitted to: LISUM25 30-August - 30 November assignment for week 4
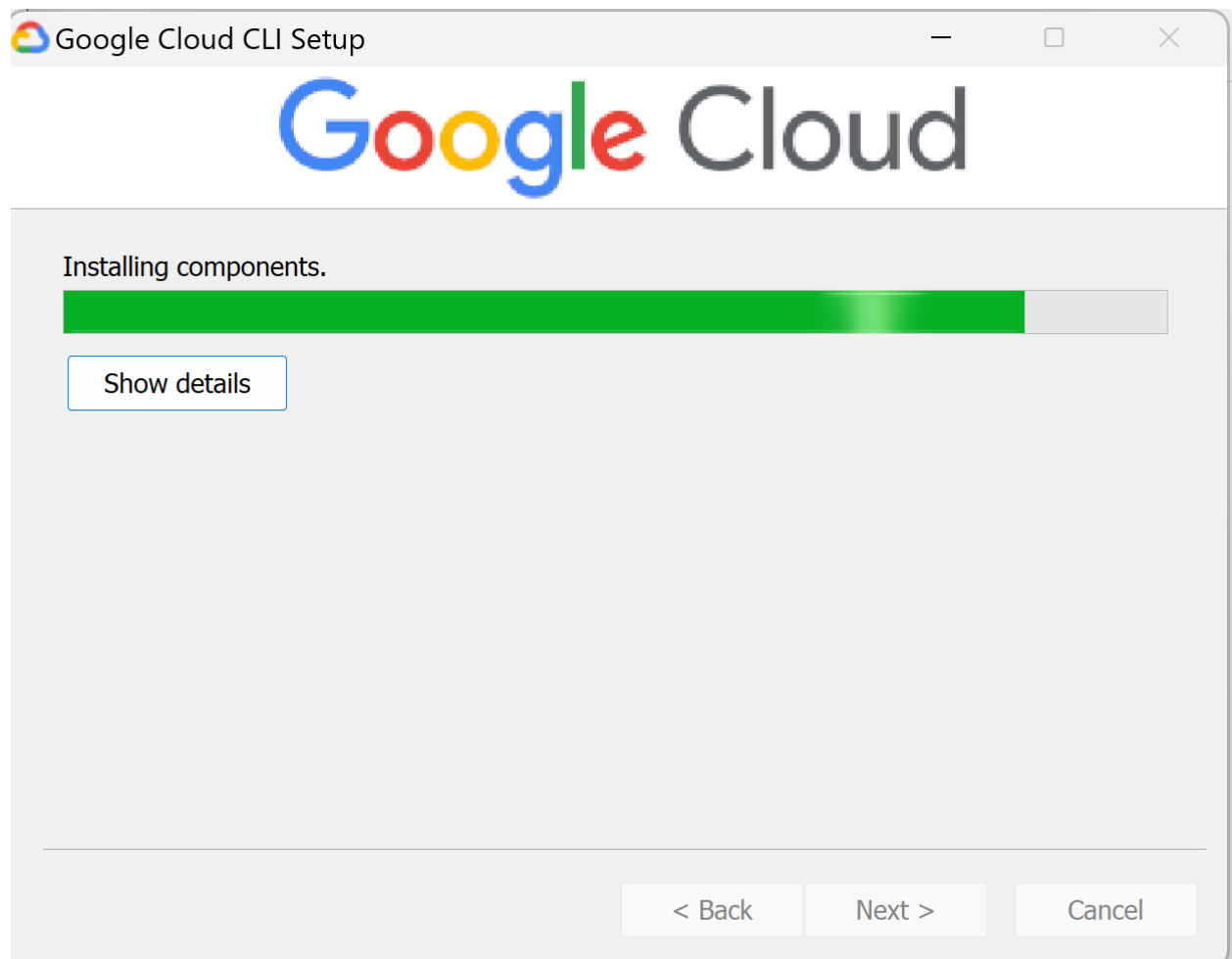
Proposed Approach:
- Prepare Project: Ensure your Flask web app is ready.
- Install Google Cloud SDK: Set up the SDK and authenticate.
- Create app.yaml: Configure your app in an app.yaml file.
- Specify entrypoint: Define how to run your app in app.yaml.
- Choose Region: Select a region (e.g., us-central) for hosting.
- Deploy App: Use gcloud app deploy with the correct project ID.
- Monitor Deployment: Watch for errors during deployment.
- Access Application: Access your app using the provided URL.
- Test and Monitor: Ensure your app works and set up monitoring.
- Scale and Manage: Adjust resources based on traffic.
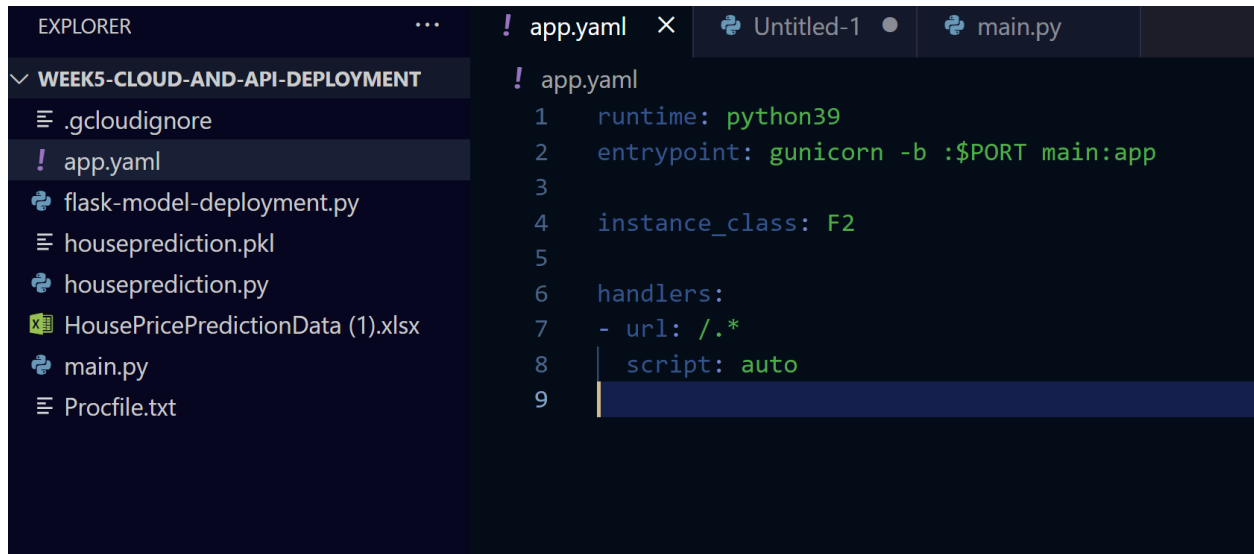
Screenshots of Google Cloud Platform :

Signing Up to Google Cloud:
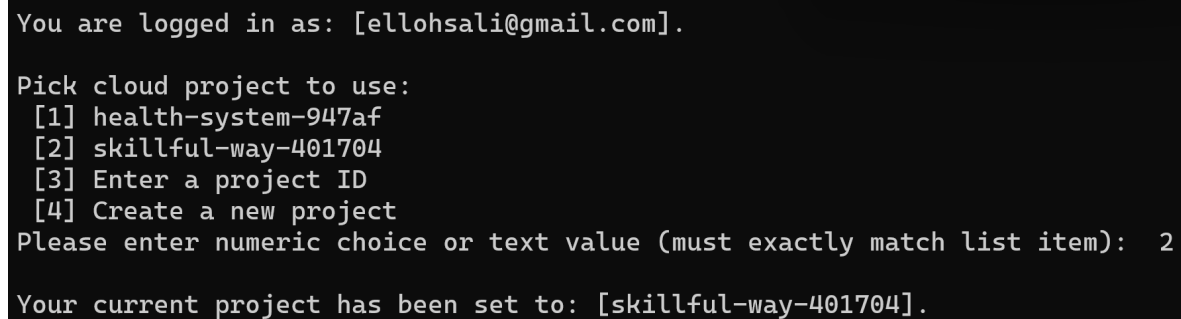
Downloading Google Cloud CLI Setup

Creating my app.yaml file needed for google cloud platform:

```
EXPLORER                    ...        !  app.yaml  ✕      🐍 Untitled-1 ●      🐍 main.py

∨ WEEK5-CLOUD-AND-API-DEPLOYMENT         !  app.yaml
   ☰ .gcloudignore                       1    runtime: python39
   ! app.yaml                            2    entrypoint: gunicorn -b :$PORT main:app
   🐍 flask-model-deployment.py          3
   ☰ houseprediction.pkl                 4    instance_class: F2
   🐍 houseprediction.py                 5
   📗 HousePricePredictionData (1).xlsx  6    handlers:
   🐍 main.py                            7    - url: /.*
   ☰ Procfile.txt                        8      script: auto
                                         9
```

Logging into my google account:

```
You are logged in as: [ellohsali@gmail.com].

Pick cloud project to use:
 [1] health-system-947af
 [2] skillful-way-401704
 [3] Enter a project ID
 [4] Create a new project
Please enter numeric choice or text value (must exactly match list item):  2

Your current project has been set to: [skillful-way-401704].
```

Choosing my region:

```
Please choose the region where you want your App Engine application located:

 [1] asia-east1     (supports standard and flexible)
 [2] asia-east2     (supports standard and flexible and search_api)
 [3] asia-northeast1 (supports standard and flexible and search_api)
 [4] asia-northeast2 (supports standard and flexible and search_api)
 [5] asia-northeast3 (supports standard and flexible and search_api)
 [6] asia-south1    (supports standard and flexible and search_api)
 [7] asia-southeast1 (supports standard and flexible)
 [8] asia-southeast2 (supports standard and flexible and search_api)
 [9] australia-southeast1 (supports standard and flexible and search_api)
 [10] europe-central2 (supports standard and flexible)
 [11] europe-west     (supports standard and flexible and search_api)
 [12] europe-west2    (supports standard and flexible and search_api)
 [13] europe-west3    (supports standard and flexible and search_api)
 [14] europe-west6    (supports standard and flexible and search_api)
 [15] northamerica-northeast1 (supports standard and flexible and search_api)
 [16] southamerica-east1 (supports standard and flexible and search_api)
 [17] us-central     (supports standard and flexible and search_api)
 [18] us-east1       (supports standard and flexible and search_api)
 [19] us-east4       (supports standard and flexible and search_api)
 [20] us-west1       (supports standard and flexible)
 [21] us-west2       (supports standard and flexible and search_api)
 [22] us-west3       (supports standard and flexible and search_api)
 [23] us-west4       (supports standard and flexible and search_api)
 [24] cancel
Please enter your numeric choice:  17

Creating App Engine application in project [skillful-way-401704] and region [u
```

Deploying my code:

```
Creating App Engine application in project [skillful-way-401704] and region [u
s-central]....done.
Services to deploy:

descriptor:                    [C:\Users\sally\Desktop\Files\Study\github-cloned-
repositories\Week5-Cloud-and-API-Deployment\app.yaml]
source:                        [C:\Users\sally\Desktop\Files\Study\github-cloned-
repositories\Week5-Cloud-and-API-Deployment]
target project:                [skillful-way-401704]
target service:                [default]
target version:                [20231011t012548]
target url:                    [https://skillful-way-401704.uc.r.appspot.com]
target service account:        [skillful-way-401704@appspot.gserviceaccount.com]


Do you want to continue (Y/n)?  Y

Beginning deployment of service [default]...
Created .gcloudignore file. See `gcloud topic gcloudignore` for details.
fatal: ambiguous argument 'HEAD': unknown revision or path not in the working t
ree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'
#========================================================#
#= Uploading 7 files to Google Cloud Storage           =#
#========================================================#
File upload done.
Updating service [default]...|
```

```
Beginning deployment of service [default]...
Created .gcloudignore file. See `gcloud topic gcloudignore` for details.
fatal: ambiguous argument 'HEAD': unknown revision or path not in the working t
ree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'
#========================================================#
#= Uploading 7 files to Google Cloud Storage           =#
#========================================================#
File upload done.
Updating service [default]...done.
Setting traffic split for service [default]...done.
Deployed service [default] to [https://skillful-way-401704.uc.r.appspot.com]

You can stream logs from the command line by running:
  $ gcloud app logs tail -s default

To view your application in the web browser run:
  $ gcloud app browse

C:\Users\sally\Desktop\Files\Study\github-cloned-repositories\Week5-Cloud-and-A
PI-Deployment>
```

Deployed service email:

```
Deployed service [default] to [https://skillful-way-401704.uc.r.appspot.com]
```

Deployed service:

Error: Server Error

The server encountered an error and could not complete your request.

Please try again in 30 seconds.